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22 April - 26 May 1962

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CONDENSER HEAT REJECTION SYSTEMS

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1. SUMMARY

During the past reporting period testing of the multitube jet condenser unit was concluded. The unit was operated with no vapor at the outlet and nearly uniform flow from tube to tube for flow conditions which resulted in values of vapor to liquid pressure rise approximately equal to or less than the dynamic pressure of the injected liquid. As higher values of pressure rise were attained the unit exhibited oscillations in vapor flow from tube to tube and fluctuating outlet pressures. Test data is currently being reduced and correlated.

Correlation of single unit jet condenser data is nearly complete. Preparation of the jet condenser sections of the final report has been initiated. The remainder of technical effort on this program will consist of any analyses or correlations of test data required for the final report to present the operation characteristics of jet condensers.

2. LABOR HOURS

During the period 22 April 1962 to 26 May 1962 a total of 501 labor hours was expended.

3. TIME SCHEDULE

Figure 1 furnishes a comparison of technical effort estimated at the inception of the four-month extension with that actually expended.

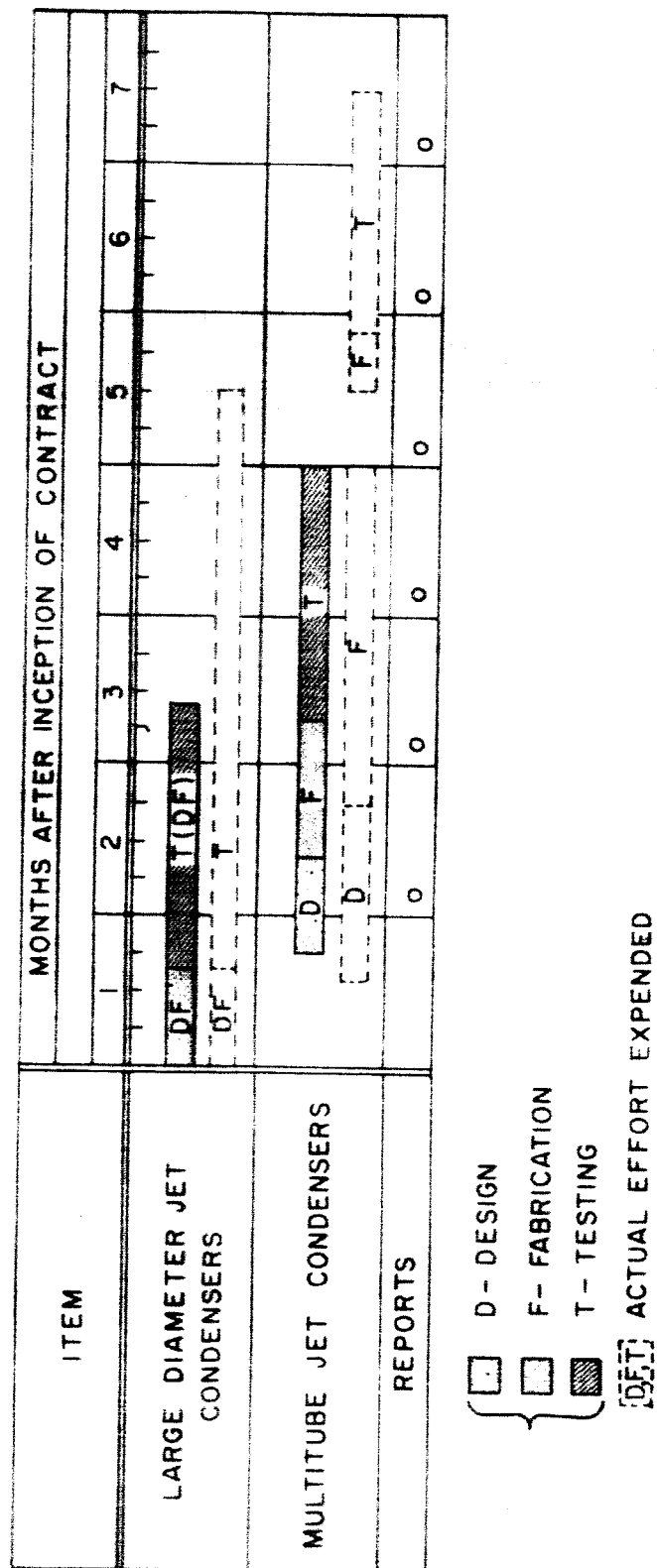


FIG. 1 ESTIMATED TIME SCHEDULE